SEQUENCE LISTING

<110> Liew, Choong-Chin

<120> Method for the Detection of Lung Disease Related Gene Transcripts in Blood

<130> 4231/2055J

<140> 10/812,764
<141> 2004-03-30

<150> US 10/802,875
<151> 2004-03-12

<150> US 10/601,518
<151> 2003-06-20

<150> US 10/268,730
<151> 2002-10-09

<150> US 10/085,783
<151> 2002-02-28

<150> US 09/477,148
<151> 2000-01-04

<150> US 60/271,955
<151> 2001-02-28

<150> US 60/305,340
<151> 2001-07-13

<150> US 60/275,017
<151> 2001-03-12

<150> US 60/115,125
<151> 1999-01-06

<160> 112

<170> PatentIn version 3.2

<210> 1
<211> 110
<212> DNA
<213> Human

<400> 1
acacaacgta acaataacat atttagccaa tgtagtagac tgctatataa tacattagag   60

tgtcaattca ttccgtttac agccccattg ggtgtcaaat ttttttgtt   110

<210> 2
<211> 530
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>   (121)..(121)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (123)..(123)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (135)..(135)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (143)..(143)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (177)..(177)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (179)..(179)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (181)..(181)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (193)..(194)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (209)..(210)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (215)..(215)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (217)..(217)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (221)..(221)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (228)..(228)
<223>   n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (233)..(233)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (236)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (243)..(243)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (251)..(254)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (270)..(270)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (272)..(272)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (274)..(275)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (283)..(283)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (292)..(293)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (299)..(299)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (303)..(303)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (307)..(307)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (312)..(312)
```

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (319)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (324)..(325)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (328)..(329)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (342)..(342)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (345)..(345)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (366)..(366)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (377)..(377)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (382)..(382)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (391)..(391)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (395)..(395)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (400)..(400)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (412)..(413)
<223>  n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (422)..(422)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (424)..(424)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (426)..(426)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (433)..(433)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (439)..(439)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (442)..(442)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (452)..(452)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (460)..(460)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (463)..(463)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (471)..(471)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (495)..(495)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (500)..(500)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (504)..(504)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (516)..(516)
<223> n is a, c, g, or t

<400> 2
gcctgttcta tacagnttnt aaatntcatt tcagatcntn tntntgtgat aatgaatgct   60

gttnnntagn natcctatat natgtncgna cacatcctaa agcataggat gaaaaantga   120

nanccttagg atttngagca cantgccttt acctgaatat atacagcaca gttctgnant   180

ncctggcgtg tgnnactgga gatctctann aaaangnata nagtgggngg gcnctntggc   240

gcntgccggt nnnncctaaa ttttccccan gngnnggagg ccngtcacct gnncccatng   300

cgntctngac cngcctgtna acgnntanng gagccttagt cnctnctaaa aacacaaaat   360

tagccnggca tgggggntgg gncccttgta ntctnagctn cttgggaggc tnngccagga   420

antncncttg aanccgggna gngggtggcc tnaagtttgn ggnaaggcca ntgatcaccg   480

ccccttcccc tccangcccn gggngaaggg atttgngact tccgttttgg   530

<210> 3
<211> 215
<212> DNA
<213> Human

<400> 3
cggcacgagg atcaatttgc cttggaagaa caaaaggaaa gtctggaaat gcagaaagta   60

tggatgctga accacataac agcagatggc attgctgtga agtatactgg atggaataca   120

ttcaagcgtt aatatttaat tcttttgtg gaaggtcaca caattaaaat ttaattgggc   180

atggaggctt aggacggggt aaaaaagtct ttaga   215

<210> 4
<211> 129
<212> DNA
<213> Human

<400> 4
gtttcttttt cctaaaacgg ttttatttaa ctcaatgtgt caaagttttt ttttaataat   60

cccaagaggg atgaagccgt gtccacaggg atatatacat cattatggtt cccatctttc   120

atacatgaa   129

<210> 5
<211> 361
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (13)..(14)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(21)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (74)..(74)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (77)..(77)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (91)..(91)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (102)..(102)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (117)..(117)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (127)..(128)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (169)..(169)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (172)..(172)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (192)..(192)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (203)..(203)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (243)..(244)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (248)..(249)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (253)..(253)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (283)..(283)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (288)..(288)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (299)..(299)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(318)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (327)..(327)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (334)..(334)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (348)..(348)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (359)..(360)
<223>  n is a, c, g, or t

<400>  5
gggggctttt ttnnancggn nccgnnnncc cttcctggga anttttgggc cnttntntna      60

aangnggnct tncnggnaaa tgggtttttt naggggggctg gncaaaggtt ttttctntaa    120

tgggatnngg ccggcatttt aaaaaaaccc gctttggcct ttttgctana tnggaaaaaa    180

ttttttttaaa angcctaaga canggttttc ccttcatatg ccaaactttc cctaacattt   240

ggnntttnng ggngggcagg gggggatttt taaaccggat ttngggtnaa aaaaaatcng    300

gggggaattt ttgggganaa aaccttnggg gggnccccct ttgaaaanaa agggtgggnn    360

g                                                                     361


<210>  6
<211>  839
<212>  DNA
<213>  Human
```

```
<220>
<221>  misc_feature
<222>  (475)..(475)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (556)..(556)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (559)..(559)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (585)..(585)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (606)..(606)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (644)..(644)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (671)..(671)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (693)..(693)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (695)..(695)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (714)..(714)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (742)..(742)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (744)..(744)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (756)..(756)
```

<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (765)..(765)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (768)..(768)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (808)..(808)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (815)..(815)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (823)..(823)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (830)..(830)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (837)..(837)
<223>   n is a, c, g, or t

<400>   6
ctcgtgccga attcggcacg agcaaagtac ctggacttta tggaatcctt ctatacttca   60

ttgtcaatca tttattggtt ctaaaaagga tcggacaatg tgctatttca gggaagccaa   120

tgttttggag taaaatgcac aaataatttc tcttgccttg caaacacatt ttttttttctg   180

tcattgcaat gtgcacaaag ggccacgagg atctacaaga aagcctgcct tattctgacc   240

aggagtgggg agctgacaag aggcttcaca gagcaggtga tgtttagaga ggaatgtctc   300

ccatttccta gtagcctgtg aggctctcaa aaccgggaat caagtttccc ttctgaactc   360

agttctcaat cgtgtaggga tagggttccc aggtgtgcct ctatgtgtag aggctctatt   420

ataccctgga tacacattga tatgcatgtg caatgctgga atcaccagcc cccangtcct   480

cctcccaaat gtgcatgttt tttgacccat gtcacattta attttttttt tcaattgacg   540

ggttttttagg gcaaanttnc caaaacatcc cccactttgc catantcccc tgtcattcca   600

tattgncttg cactgacatg attcactcat tgatattgcc tgtngcgttc ctatggcctt   660

tgagtttgca nactgggttt gggggaaacc cangnaaaaa aacctctttg aaangggggaa   720

cccccccaat ggtgggggaa ananaactgg actttntttg ggagnccnga atttgctctt   780

gaccaggcag ggacctggga ccctgaangc ttttntaatc ttnggggccn gaaaatntg   839

<210> 7
<211> 118
<212> DNA
<213> Human

<400> 7
atgggaaagt gtgtaagatt tagaaaaagc attaactatt agtaaacttt atcttaagct   60

ctaacctttg attaggtccc acaaaaatta ggtgatatgc aatttctaat ttagggcc   118

<210> 8
<211> 197
<212> DNA
<213> Human

<400> 8
gttgcagtga gccgagatca taccactgca ctccagccta ggcaacagag cgagactcgg   60

tcaaaagaaa aaaaaaaagg ggagctgggc gtgggtacta atgccgtaat cccaggcctt   120

tgggaatccc aggcaaggtg gcctttaggg caaggagttc ggaacctccc tgctaacagg   180

taaacccccct ttcccctt   197

<210> 9
<211> 250
<212> DNA
<213> Human

<400> 9
gagaccaagg ccgccccgct ctggtctcag accagttgtg ctgctcttgc tctggctcag   60

ctggtgtggg gcgcaggcgg gaaacgagac ctctagcatc tggctgaagg ctctgccaag   120

ctcctcttca gggctgcagt ctgcctgcct gcatataccg acttggccag acactgctgc   180

taaattccag ggactctttc tcccctcctc tgctctccag ccaatccttg aggatttaat   240

aactggaagg   250

<210> 10
<211> 680
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (615)..(615)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (626)..(626)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (645)..(645)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (661)..(661)
<223> n is a, c, g, or t

<400> 10

```
caccaaagaa gcaagagggc tttcttttgt ttctggggac aataactaac tttaatttgc      60
tcttcaagaa gaaggaagct gggtatatag gggaatggca gaagtgctcg cagatgaacc     120
atgaggagca tggtctttaa gaacatgctg agaaggaagc aacacagact ccatcactgg     180
gggaagcacc tgaatagagc actggtaaag gccagtctgt ggacctgagg ccagaggaga     240
tgccaggggt ccagatttca tggcccacag aaacggaact gatcatattt ggttgctggc     300
cagtgttcca tagaccaaga aggctggtag caagtataga ttcctctaca tagcttgaca     360
ggagaagaga aaggggaatg tagcacacag gatgcagcag gtgaataaga aaacctcctt     420
ttcccaggtt gggacagtg  agtgatctac agtgatactc aaaagattgt gattggtgtg     480
ggaattcctg tctcaatatg caatctgcca agaaacact  gtgatggttt cctgtaaagt     540
aaccctcttt tcttatctct aatttcacaa gactcttaaa tgagaggggg gggagaaagn     600
gttctttctc actcncctaa aactgngggt ctgcctggag aaaanctaca tctgcacaga     660
naatgctggt tagccaggaa                                                 680
```

<210> 11
<211> 318
<212> DNA
<213> Human

<400> 11

```
cctgcagagt actccatgga aacaattgcc gagcacgtgc tcgcaatttg ccgagcacgg      60
tccggtttga actcctagac taagactagg taggtgatac ataccttctt cccaccaagt     120
actcacgatc caaactatga attttagatt cggatcaaac gaggattgat ccgagggacc     180
aacgttgtga taaatcttac gtcgtcttat atattaagtt tttgtggagg atcggataag     240
tctatagtgt ttgtcacaga tagtcccgta ccacacccca gaccatagga gtcgctctcc     300
ggaccgcggt ctaatggg                                                   318
```

```
<210>    12
<211>    155
<212>    DNA
<213>    Human

<400>    12
tctcacattg gacatactca aaattcactt ataatcttca caccaccaaa aacttaccca        60

tatcaaatta taaacccacc cacattactt aaaatttttt acatttccca ataaaaaacc       120

caaataaaca aaaacttcca atctccattt aaaat                                  155


<210>    13
<211>    125
<212>    DNA
<213>    Human

<400>    13
aataaacaaa catgccctct aatatatgaa ttcatcacac aacacgcaca ctgtccccac        60

aaacaccttt ttggtgtcaa gaagaaaaag actagcttca ctgaacagag aaatgctgga       120

cagtg                                                                   125


<210>    14
<211>    168
<212>    DNA
<213>    Human


<220>
<221>    misc_feature
<222>    (6)..(6)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (15)..(15)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (37)..(38)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (47)..(47)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (56)..(57)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (94)..(94)
<223>    n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (127)..(127)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (155)..(155)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (157)..(157)
<223>  n is a, c, g, or t

<400>  14
ggcccntggg ggggnagggc cttttcgggg ccggggnngg gccccnttt  ggcccnnggg      60

gggtttcccg gggaacccaa ccctttaagg ggtnggggg  aatttccccc caaaaaaagg     120

gaaaaanttt tccgggggc  ccacccggga agggntnccg gggaaggg                  168


<210>  15
<211>  438
<212>  DNA
<213>  Human

<400>  15
aaaaaacttc tttatagtcc ttatatattt ttaattgttt atgttagggg aagctataga      60

ggaacaaatt tgggatagaa atataaggct gggattacag gcatgagcca ccaagcccgg     120

cccacatttc cattttaat  atatactgtg ctttacaaat attataatat gttttaaaat     180

atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaa ataagcattc     240

tttgaatata tatttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa     300

caaaatttgt gattttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga     360

agtcctacct aatttgatga taaaattaca tggaagggat tcttgttggc atgaggacct     420

accaagatgg tcaacaga                                                   438


<210>  16
<211>  235
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (15)..(15)
<223>  n is a, c, g, or t
```

```
<220>
<221>   misc_feature
<222>   (39)..(39)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (47)..(47)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (52)..(52)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (69)..(69)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (154)..(154)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (207)..(207)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (217)..(217)
<223>   n is a, c, g, or t

<400>   16
aaggnctttt ccggnccggc ccggcccccc ttggcccang ggggttnccg gnaaaccacc        60

ctttaaggnt tgggggaatt cccccaaaaa aggaaaaaat tttcccgggg gcccacccgg       120

aaaggggggaa ggcccccaaa accgggggggg gggnaaaaag gtgggtttcc ccctttttcc     180

aattcccaaa accaatttcc aaaaggnaaa ccaaccnttc ccaaaatggg aaagg           235


<210>   17
<211>   294
<212>   DNA
<213>   Human


<220>
<221>   misc_feature
<222>   (18)..(19)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (27)..(27)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
```

```
<222>  (47)..(47)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (66)..(66)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (76)..(76)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (82)..(82)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (108)..(108)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (133)..(133)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (162)..(162)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (210)..(210)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (260)..(260)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (276)..(276)
<223>  n is a, c, g, or t

<400>  17
aaaccaaccc tttaaggnnt gggggggnaat tccccccaaa aaaaggnaaa aatttttttcc      60

gggggnccaa accggnaaag gntttgggaa aaccaaattt tttttggncc caacccccc      120

caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc      180

aaggggggaa aattttttccg ggggtgggtn ggggggaacca atttaagggg ggggcccccg      240

gggggggttcc ccttgggccn tttttcctttt tgggtnaaaa aaaaaaaccc cttg      294


<210>  18
<211>  453
<212>  DNA
```

<213> Human

<400> 18
gtagaatata gggtgatact ggagatctac tgcgacctag accatgatac ataaccacac   60

aagtttaatc cctgggttct aactaccctt actgtcactt agcttaacct gcctccaatc   120

ctgtacttga actctaaaac tgttggagaa actcagtgct taccccaaca gattcatttc   180

aaatagctgt aaaaggtatg tttactccag aagaccagag ttgcttcttt tgaacttctc   240

attccttggg cctaggaacc ctcatcaccc tcatcccaac gtcaacccag atcttctctt   300

ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgttggatt   360

cacagacagg ctgtgctaga ggaaacctct ggggctcacc aggggccgtg ggatgggctt   420

ctggggcttc ttggagccca acttcttcat ggc   453

<210> 19
<211> 242
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (216)..(216)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (221)..(221)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (230)..(230)
<223>  n is a, c, g, or t

<400>  19
gagtcagact gtaaggnacg aaccctcggg gtccccacgn tgttcccccc ggggtaacnt      60

cggcccgggc ccgggnagcc cttcccgggc ttttcccccg ggggggnccc ggggggacc      120

tttaggcggc accccaacaa caccaggccc tacttttcc aaggncgggg aagcccatgg      180

gttctgggna acgggcaatg cgggcttgca acgggnggaa naaaaacagn cccaaaagaa      240

tg                                                                     242


<210>  20
<211>  181
<212>  DNA
<213>  Human

<400>  20
gtttgtttgt ttttgagatg aatctcactc tgtcgcccag gctggaatgc agtggtgtga      60

tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggaggtt     120

gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct     180

c                                                                      181


<210>  21
<211>  100
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (17)..(17)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (23)..(23)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (28)..(28)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (36)..(36)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (41)..(41)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (44)..(44)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (53)..(53)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (59)..(59)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (62)..(62)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (67)..(67)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (70)..(71)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (74)..(74)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (76)..(76)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (79)..(79)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (83)..(84)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (86)..(86)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 21
gcacaaggaa gggtggncag atnttccngc actggnaaaa ngcngctatg gtngtgaant   60

tnccccnccn nttnanacna aanntngcac tcttggntgc   100

<210> 22
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 22

cntgcgccat ttactgnagg tggacaagga tactatnaac aaagatgtgg cnnaangaga   60

ataatggaag atagctntga ggatnaacnc tggttnaggg   100

<210>   23
<211>   100
<212>   DNA
<213>   Human

<220>
<221>   misc_feature
<222>   (17)..(17)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (19)..(19)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (27)..(29)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (37)..(38)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (46)..(46)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (49)..(49)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (65)..(65)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (72)..(72)
<223>   n is a, c, g, or t

<400>   23
acaccttccc acttgcngna aaggggnnng gcccccnnct tgggcnganc attaagcctt   60

tttgnggctg cngcccctgt gcctggtgcc acaacaaatg   100

<210>   24
<211>   227
<212>   DNA
<213>   Human

```
<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (13)..(13)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (71)..(71)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (88)..(88)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (91)..(91)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (109)..(109)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (157)..(157)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (177)..(177)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (199)..(199)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (207)..(207)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (211)..(211)
<223>  n is a, c, g, or t

<400>  24
ccggncacca ccnttaaggt tgggggattt ccccaaaaaa ggaaaatttt cggcggccaa      60

cgggaaggcc nttggggaaa aaaccaangg ncaaaccccc ccaaccacnc ggcccccccc     120

aaggggggtg gggaagagcc aaatttcttt gggaaanaac gcccccttgg ggaaaanaag     180

gccaaccacc tttcaacanc ccccaangcg nggaagccat ttcttgg               227
```

<210> 25
<211> 306
<212> DNA
<213> Human

<400> 25
tccaaaagta gagcagaggg atattttgtt ctactgagcc acgaaaaaca cctgaattgt   60

ttcgaccatg tgccttccca ggttgatgaa gacattgcta cacagtctgc agatcaggaa   120

ggaagaattg tatgtgggag tttttaatgg tctcatttca ttggctataa ctcagttaca   180

aggagaaata taactgcaga ggagctttga aaatttagtt cagctgaggg taaaggaaga   240

agagacaaat tttgtcatca gctagtgatc tgccatacaa ggtgttccct taatatgtgt   300

                                                                       306

agaatg

<210> 26
<211> 492
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)
<223> n is a, c, g, or t

<400> 26   Page 25

```
cggcttcggg ccaagcgttt ccagagtttg ccgaactgct gagcaagttc gctattctcc    60

agatcgccta gccctttgcg ggcgaccacc acgatgtccc agcctgtcag gttgtcctga   120

ttgaggcgaa aggactcgcg gatttgacgc ttgatgcggt tgcgctcgac ggcgagcttg   180

acgctctttt tgccgatcac caaacctagg cggggatgat caagctggtt atcgcgcgct   240

agcagcagga cacttttgcc cgggagcttt accgcttggg gagtcgaaga ctgccttgna   300

ttgccgggga gtcagcagtc gctttttccc ggncgaagcc tcgaactcac cancctgtct   360

ggattaatta gacagcaaga cgcttgcggc ccctttggcg cgaacgaacn ncgaaaagga   420

cttgcgcggc ccgtttcttt gggggggccaa taccggggcn cggggaaaac ccgnggggng   480
                                                                    492
gccaaacccc cc
```

```
<210>   27
<211>   500
<212>   DNA
<213>   Human


<220>
<221>   misc_feature
<222>   (348)..(348)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (422)..(422)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (435)..(435)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (476)..(476)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (490)..(490)
<223>   n is a, c, g, or t

<400>   27
```

```
cgaagcgatg gaagcgcaag cttggtaggg gagcattccc acggcagaga aggtcgggcg    60

acgagccggg ctggagcggt gggaaaagca aatgtaggca taagtaacga caatgcgggc   120

gagaaccccg cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggagggtta   180

gtcgggtact aaggcgttag cgaaggcgaa gcgccgatgt gaaggggggtt aatattcctc   240

cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgcgtc ctgacggaag   300

tgggcgccag caggggcggc cttcgggcca aaccgaacct caggtcanac ttccaagaaa   360
```

```
agtgggtgaa acgccagcgc atggcaaccc gtaccgcaaa ccgacacagg tagccgggggg        420

anaacatcct aaggngctcg agagtacttt ctagagcggc cgcgggcccc atcganttttt        480
                                                                          500
ccacccgggn ggggtaccag
```

```
<210>  28
<211>  231
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (18)..(18)
<223>  n is a, c, g, or t


<220>
<221>  misc_feature
<222>  (47)..(47)
<223>  n is a, c, g, or t


<220>
<221>  misc_feature
<222>  (59)..(59)
<223>  n is a, c, g, or t


<220>
<221>  misc_feature
<222>  (74)..(74)
<223>  n is a, c, g, or t


<220>
<221>  misc_feature
<222>  (138)..(138)
<223>  n is a, c, g, or t


<220>
<221>  misc_feature
<222>  (174)..(174)
<223>  n is a, c, g, or t


<220>
<221>  misc_feature
<222>  (176)..(176)
<223>  n is a, c, g, or t


<220>
<221>  misc_feature
<222>  (211)..(211)
<223>  n is a, c, g, or t

<400>  28
aagaaattcc gggcacgnag gcacgcccct ggtaattccc caggcgnact tctgggggang        60

gctggaaggc ttgnagggca gaaaagggat ccgcctttgg gaggaaccca ggtaaggttt         120

aagaaggaac ccaccctngg ggccaaacaa aaacttaaaa accccccccat ttcntncccc        180
                                                                          231
ccaaaaaaaa aatttttaaa aaaaattttt ngccccgggg ggcattgggg g
```

```
<210>   29
<211>   109
<212>   DNA
<213>   Human


<220>
<221>   misc_feature
<222>   (1)..(2)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (12)..(12)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (29)..(29)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (34)..(34)
<223>   n is a, c, g, or t

<400>   29
nncgaacaat angtctggag ctcgtgcgnc ctgnaggtgc gacactagtg gatccaaaga    60

attcggcacg agggattaca gtcgtgagcc actgcacctg gctgcaatt               109


<210>   30
<211>   100
<212>   DNA
<213>   Human


<220>
<221>   misc_feature
<222>   (3)..(6)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (8)..(8)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (13)..(13)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (15)..(15)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (20)..(20)
<223>   n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 30
tcnnnntntg gtntnggctn tccgagnggc anngagtgan tgcccgttnn tattgancac   60

cantcantng ttgccntntg atacccnana caaaattgaa

<210>   31
<211>   100
<212>   DNA
<213>   Human

<220>
<221>   misc_feature
<222>   (12)..(12)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (26)..(26)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (46)..(46)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (49)..(49)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (55)..(55)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (60)..(60)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (63)..(63)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (69)..(70)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (73)..(73)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (79)..(79)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (92)..(92)
<223>   n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (96)..(96)
<223>  n is a, c, g, or t

<400>  31
tcgggcgggg anccctttac ctgtcnttac gatgcgcaag tagatnccng atttngtccn        60

ganggtcgnn aanttaggnt tccagcctgc gncacngcca                             100


<210>  32
<211>  104
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (7)..(7)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (27)..(27)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (57)..(57)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (63)..(64)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (67)..(67)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (73)..(73)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (75)..(78)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(98)
<223> n is a, c, g, or t

<400> 32
cntgctntta cgatgcgcaa ggtagtnccg tgantttagt ccgtgatgtg tcgaaanatt   60

agnnttncag ccngnnnnan tgccattttn gctctnnnga gaaa   104

<210> 33
<211> 102
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (68)..(68)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (76)..(76)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (82)..(82)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (92)..(92)
<223>  n is a, c, g, or t

<400>  33
tgggntggcc cngcttaact tttgcccncg anctcggngt tcgnacaggg gcgaagnaaa      60

ccgccaantt ttttcnaacc cnacttgttt tnggttttag tt                       102


<210>  34
<211>  100
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (21)..(21)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (27)..(28)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (38)..(38)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (47)..(47)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (50)..(50)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (53)..(53)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (61)..(61)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (73)..(73)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (78)..(78)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (83)..(83)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (85)..(85)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (97)..(97)
<223>  n is a, c, g, or t

<400>  34
agnacgcctt tacagcttta ngatgcnnga gagagtancg gatttgnccn tgntggtgga        60

naaattaggg ttncagcntg tgnantgcca ttttcgntaa                             100


<210>  35
<211>  100
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (21)..(22)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (28)..(28)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (32)..(32)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (65)..(65)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<400> 35
cacgatagca tcagacggcg nncttggngc cnttttgccc gctggtcaca ggacaacgca   60

tttcncnntn tggtgtncgg ctntcacgca tnggcgcgag   100

<210> 36
<211> 153
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(118)
<223> n is a, c, g, or t

<400> 36
tggngccntt ttgcccgctg gtcacaggna aacgcatttc acnntntggt gttcggntnt   60

cacgcacggc agcgagtgca atgnccgatt cattcttnaa cgacgcacac acccngnngc   120

cctgtgaaac ccataaacag tgggaaatgg tgc   153

<210> 37
<211> 151
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (10)..(10)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<400> 37
gcgcgcntgn aggccccgac actagtggat ccaaagtatt ttggcacgag ctnagttcga   60

ngatnnagac cncnnatcac ctaatacanc catnactcan atgactnttt gtgcgccttt   120

tatcanatgc atagcctatc naaaacatca c   151

<210> 38
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature

```
<222>  (2)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (61)..(61)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (63)..(63)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (72)..(72)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (79)..(79)
<223>  n is a, c, g, or t

<400>  38
gngcgcttgn aggccgacac taggggatcc aaagaattcg gcacgagctc gtgccgaatt      60

ngncacgagt tnggctgcnt ctttatacaa cttttcttca                          100


<210>  39
<211>  100
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (7)..(8)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (15)..(16)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (20)..(20)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<400> 39
aaagngnntn ctggnnttan gcanttaacc caggcactgg ggcgctgaac agctactcag   60

ctgcttaagt ngtcccactg gtccagacca gcgacccagc   100

<210> 40
<211> 102
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<400> 40
ttcccccagg atctttctta tatctatcag atctaggtga aaggattact gtcttgtagg   60

tgtcctgaag gacaagccgn ttcgtttgaa nctgtgaaat ac   102

<210> 41
<211> 325
<212> DNA
<213> Human

<400> 41
ttcggcacga ggagaagaga ggagccgtca gaacatatgg gggatgtgtt caagaagcag   60

atttgtggtc ggaagctttg caaagagggg acctgggtct gagtgacatg cgtggccact   120

ggtgctcctg cgtttggact gtgcaggcct ctcctatgct gatgcgtctc cccactcctg   180

agctaatttc tgctctgctc cttctgtgac atgtggcagc gtgggaaata gccactgtcc   240

cctgtccctg ctgttcctgg tgtcacccag caccaggcca ctctgggagc cagggcagat   300

ggtcctccct gtggtcctgg cctct   325

<210> 42
<211> 103
<212> DNA
<213> Human

```
<220>
<221>  misc_feature
<222>  (14)..(14)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (31)..(31)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (36)..(36)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (63)..(63)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (73)..(73)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (93)..(93)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (98)..(98)
<223>  n is a, c, g, or t

<400>  42
gtggcccaag gggnactgaa ggggccctcc ntaagnggag gggttgggga gtaaggcctg      60

ggnaggaccc tgntgactcg gggggcggga gcngggancc agg                      103


<210>  43
<211>  221
<212>  DNA
<213>  Human

<400>  43
catattttga aatactttc tcccaaactg ggtttattag cgtgtacccct gcttttccac      60

tttaaaaatt tatgccatat gtccagcttc cagtcagtgc ttctggttag catgaggata     120

actagatttt actgtagatg gtagataaaa gtccagtgaa aagcaaagat gtgtaatgtt     180

ttggtagcct cagtgctctt atcccaagta aaagcaaagt t                        221


<210>  44
<211>  100
<212>  DNA
<213>  Human
```

```
<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (11)..(11)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (27)..(28)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (38)..(39)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (41)..(41)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (49)..(50)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (61)..(62)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (67)..(68)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (76)..(76)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (79)..(80)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (85)..(85)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (89)..(89)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (93)..(93)
<223>  n is a, c, g, or t

<400>  44
anagagatca ntgatttatt gctgggnncc tgtntganng ntctaaggnn tgaagattat       60

nncattnngc aagcgnacnn gcgcngccna gcngaccagg                            100


<210>  45
<211>  106
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (8)..(8)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (24)..(24)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (33)..(34)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (47)..(48)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (58)..(58)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (63)..(63)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (68)..(68)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (71)..(71)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (73)..(73)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(96)
<223> n is a, c, g, or t

<400> 45
atatttcngg agcttgcagc ggcnacacta ggnnactaaa agaattnnag aaagaggnct   60

atnggacnag nanacangaa acctgcanac ttggnngctt ggaagt   106

<210> 46
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<400> 46
gatgtggaga tgcttgatag gttactgggc ggcaatccag gagttgatga agcgcatatg   60

cgaacatttc acgngcatat tgcggtgcaa gggcttactg   100

<210> 47
<211> 101
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (7)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (23)..(23)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>   (33)..(33)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (42)..(42)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (47)..(48)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (52)..(52)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (55)..(55)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (60)..(60)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (62)..(62)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (66)..(66)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (70)..(71)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (74)..(74)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (84)..(84)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (86)..(87)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (96)..(96)
<223>   n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (99)..(100)
<223>  n is a, c, g, or t

<400>  47
cccccnncc cttcttntcc ccnaaagaat aanataagaa tngctannga gnaancgacn      60

anggtnttan nagntatatg tatntnncaa accaantann a                        101


<210>  48
<211>  100
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (5)..(6)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (33)..(33)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (35)..(36)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (42)..(42)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (46)..(46)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (48)..(48)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (55)..(55)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (59)..(59)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (69)..(69)
<223>  n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (81)..(81)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (87)..(87)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (91)..(91)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (94)..(94)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (97)..(97)
<223>  n is a, c, g, or t

<400>  48
aaggnnaggc tcgttgggggg aaaaaacccg ccntnncggg cncccngnaa acccncacna       60

ggggacccna aaaaccggaa naaaccnccc nagnaancca                             100


<210>  49
<211>  473
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (20)..(20)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (38)..(38)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (164)..(164)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (178)..(178)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (201)..(201)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>   (211)..(211)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (274)..(274)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (305)..(305)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (340)..(340)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (346)..(346)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (386)..(387)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (405)..(405)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (433)..(433)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (446)..(446)
<223>   n is a, c, g, or t

<400>   49
```

atgagtatga aatgaaaggn tgagatgaaa tgatgatntg agatgagatg aaatgagatg   60

aaaccgagat gaaatgatga aatgatgaga tgagaccgag acgaaatgat gagatgaaat   120

gagatgagat aaaatgagat gaaatgaagt gaaatgaaat gaantcctga aattgacntg   180

agatgaactg agataaaatg ntgagatgaa ntgatgagaa gaaatgagat gaaatgagat   240

gagatgatga gatgaaaaat gctgagatga aacntgatga gatgaaatga tgagatgaat   300

tgaantgaaa tgaaataatg aaataatgac ctgagatgan atgaantgat gaactgatga   360

actaatgaaa tgaaaatgaa atgganntga tgagatgaga agaantgctg agatgagata   420

aaatgagatg aantgatgag atgaantgaa atgctgagat gagatgagat gaa   473

```
<210>   50
<211>   453
```

<212>   DNA
<213>   Human

<220>
<221>   misc_feature
<222>   (5)..(6)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (13)..(13)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (18)..(18)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (22)..(22)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (39)..(39)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (45)..(45)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (48)..(48)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (54)..(54)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (65)..(65)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (70)..(70)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (72)..(72)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (80)..(80)
<223>   n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (389)..(389)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (395)..(395)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (410)..(410)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (413)..(414)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (418)..(418)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (425)..(425)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (436)..(436)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (443)..(443)
<223>  n is a, c, g, or t

<400>  50
ttccnnagct gtnacganac antcttgaat tgaaattgna cacanctngt gtgnagccct      60

gatanggccn gnaagcaatn tanaggatan ccgnangnta tngnaacaca ttncncnagc     120

ntntncanca gctgatgcag gncncctatg atgcgattan ggactacgac tatnnctcan     180

ngtctnaaca gncgcgangg ctgantacta aaagnacaca aanntgtgca ccnncatnac     240

tcncgttgac tgnacantgt agacctgnaa tacctggctn aaaggggtct nactgncatn     300

agagntgnag ntgcccctnc antagngnga gctnnaanng gcctgtnttt gntttacntc     360

ntcgganagg cgatgccatt anagacccna gaacncattg gtgatatacn ctnnaccngg     420

agggnttaca ttgggnaatg atnattatgg ggg                                  453


<210>  51
<211>  542
<212>  DNA
<213>  Human
```

<220>
<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(478)
<223> n is a, c, g, or t

<400> 51

```
caactgtgag caaggaatnc cattaaatgc cattgtatat tcattgatca gtgaaatcnc      60
atctgggtca cagtggcatc tatgttnaca gtataaatcc ctgtggctat gaatgaaang     120
cttgtttaga cttgcatctg cacatagaag tagggatttc atgctgttat cagcctaatt     180
ttagcctata gaatttcaag ttngctagag gtttngctct ccatggtata agtttagcaa     240
gaaaagtcat ttgtctgctg ctctagcagg ttanaatgtg gaagtatagt gtgcanagtt     300
ttaatccgna tatgttatta aaacatatac atcattttat atcatacatc tgnaataaat     360
attcaaaatt aaatagtgat ttgggattga ttacatctta ttactagctg taataaatga     420
cctcnnngat ngtttaaaat tgttttcctc ncatataata aaaatacctn angcatanat     480
cgattgtcca aaaattgaat atatatacac acctcttcca ttagaactaa atatgtggaa     540
tg                                                                    542
```

<210> 52
<211> 733
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (13)..(14)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (22)..(22)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(88)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (90)..(92)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (95)..(96)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (105)..(105)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (107)..(107)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (109)..(109)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (115)..(117)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (120)..(120)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (123)..(123)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (148)..(148)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (154)..(156)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (167)..(167)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (169)..(172)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (179)..(179)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (183)..(183)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (185)..(187)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (194)..(194)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (200)..(203)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (205)..(205)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (235)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (242)..(242)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (244)..(244)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (246)..(247)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (250)..(250)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (303)..(303)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (305)..(305)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>    (318)..(318)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (327)..(327)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (331)..(331)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (335)..(336)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (347)..(347)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (349)..(349)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (353)..(353)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (362)..(362)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (365)..(365)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (388)..(388)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (395)..(395)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (405)..(405)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (407)..(407)
<223>    n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (412)..(412)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (416)..(416)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (429)..(429)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (435)..(435)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (444)..(444)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (475)..(475)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (481)..(481)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (485)..(485)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (488)..(488)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (505)..(507)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (525)..(525)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (528)..(528)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (532)..(532)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (534)..(535)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (543)..(543)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (551)..(553)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (555)..(555)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (561)..(561)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (568)..(568)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (573)..(573)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (584)..(584)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (589)..(589)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (598)..(598)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (605)..(605)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (612)..(612)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (618)..(618)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (633)..(633)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (647)..(647)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (653)..(654)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (664)..(664)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (679)..(679)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (689)..(689)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (695)..(695)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (698)..(698)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (711)..(711)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (720)..(720)
<223>  n is a, c, g, or t

<400>  52
atatgacctg cgnncanacn cnctaanang ngactngtta aanacnttcc gtggaatnna      60

ctcagactgc aaantgtnat nctgncnnan nntgnngact gtccngncng atttnnngcn     120

tgnaatacta ttgcctctta tatacacnac caannntgcg aagggcnann nnacctttnc     180

cantnnnctg gggncccacn nnngngaact gagagtggat cttgtgtacc tgacnnacca     240
```

```
gntntnnagn  agggcgctca  ctctgattgg  tgcaccatgg  ttacacagtg  tgtgcaaaga    300

ccngnctatc  tcactganga  tgattgncag  ngccnntggg  tggcacnang  ggnactgatg    360

ancancactg  accctgccga  cgccagangc  cgcanatccg  gagantncat  gngacnatat    420

aggttaccnc  cttcnaccgg  gcancaatct  gcttctatgg  tgaatgcaga  ccatntagaa    480

ntctntcnct  ataggcatga  ttttnnncag  tgcgtcagcc  ttganaanga  ancnnacttt    540

tgntagatga  nnngntgctc  ncccttgngg  ctnacaaatt  ccancaccnt  tggtggcngc    600

agccnttaag  ancacttntt  ttgggttgcg  ctnttggatg  aattacnaat  agnntgtttt    660

gttncaaggc  ccttctgcna  aatatgaana  aaagngcnct  tagctttttg  ngggaactgn    720

actggaaatt  ttg                                                          733
```

<210> 53
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (15)..(15)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<400> 53
gatcagacaa gancntggtc cacagcggga cgagagntct cnannctgcn ggggagnnnc   60

caagtacgcn agcnctgaan ctaaagcaag caagaaaaag   100

<210> 54
<211> 515
<212> DNA
<213> Human

<400> 54
atatggcaag gataaccoct atacttctgc ataatgaatt aactaaaata acttgcaagg   60

agagccaagc taaaccoccg ataccgacga gtaccagaac aggtaagcac cccgtctatg   120

tagatatggg aagattatag gaggcgacaa ctaccgagcc tggtgatagc tggtgtccaa   180

gaagagtctt agttcattta tttggcccag aaccctctaa tccccttgta atttatgtca   240

agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg   300

gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa   360

tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt   420

ataagtaacc tgaaaacatt ctcctctgca taagccctgc gttggattat atcctgcact   480

gacaattaac tgccccaata tctacaatcc aaccc   515

<210> 55
<211> 176
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 55
tgttnaggat caaattataa tattgaaata anaacagctn acatttatat agcatgtttn   60

cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagaggga   120

agcctgccct cattagacca agacagcaag gtttnccctg gtcactagat gaaatt   176

<210> 56
<211> 317
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<400> 56
cagnagtgat gttgcaatat ctggaactag caaaggatac tgatgagaaa acgtggaatc   60

atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa   120

ggatttgggg tttagaggta caattgcctt tttatggtta gagaaaggtc ctggggctgg   180

agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct   240

gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtggtgg atgctggcag   300

acattgttat tgccatt   317

<210> 57
<211> 209
<212> DNA
<213> Human

<400> 57
ctcatacacc tgtggctact gttttctaca gagtgccaaa actattcgag agaataggct   60

ctggactgga cactgtatac ccacatgcaa gatgaagttg gcccttaca tcctatacgc   120

aggagaattg cgtcatttaa agcctgttga cgcttttctc ccgcagacga atggaaagat   180

taattgggag tggggctga aacaattcg   209

<210>   58
<211>   262
<212>   DNA
<213>   Human

<400>   58
aattttgctg ttacatggtg gctcaactga gtcccatact ttgaaggccg ggagttaatc   60

acctggtcac cgagttgcga accagcctcc aatatgtgga accctgtact ctctaaaaat   120

caaatcaccg gcatggagat tgcgcctgtg gtcccaaaat actcgggctg ggacacgatg   180

agttgcttgg cccaaggaag gagggttgta tggctgatca cactggtccg cctgggtgac   240

agagcgagac tccatctcta at   262

<210>   59
<211>   430
<212>   DNA
<213>   Human

<400>   59
gtcagtttat ttctgactag ggatattttc tttccattta gaaagaaga aaaaaaaaaa   60

aaacctttat tgtcttacag gggggaacta gcgcggggct gaataaaacc tttggccctt   120

cccggggggag gggtatccgg tttataaacc ccaagggtat tttcttagca aaatacttaa   180

aaccggccgg ggttttata caaactggga acccacttt gaaaaatttt ggcctttga   240

tctgggatgg gaatatgagt ttttatacat ttcattttct ttttgggcaa aggcccggtt   300

aagtattccc ccccgggggg cctttacaaa aagggcggtt ttaaaagctt ttgggccccc   360

ctagggaatt gttttaacac ctaaaaaccc ctgcttccct taaaggggcg ttctttaatt   420

tggggcggc   430

<210>   60
<211>   350
<212>   DNA
<213>   Human

<400>   60
aaacctctct aactatatat cacaataacc tgcgcataag atttacgctc cgatctttc   60

atcctactag cttggaggat ttgaaccgat tatgaatacg caatactccc ggtcctcatg   120

tatcatgtgt aagcccatct cctgggaggg ctaacatact accatctcca aggagaggca   180

tgattccgaa tcacccacag acagctcgat caccatacgt atcacccaac atatatacct   240

tctaagactt gctagaaaca accaccacat ttgatgctta atcaccactc tgacgcgcat   300

taaagtgagg ggactctcct aatttctgta agttgatttt tgcattctga   350

<210>   61
<211>   515
<212>   DNA
<213>   Human

<400>   61
cacataaatt ctccataagt taattagtga ttttaacatg atctcaatat aaacatagca   60

cactttcttt gagaattcaa catattgcaa gttaaaattt tcatagacta cacaagaaag   120

aataatcagg caaatcctta agaataaggg caattaagga tgactagccc tacaagattt   180

taaaaaggat tcattagttt aaaaaatgtg atgtagatac atgaataaaa taaaatcttg   240

aagtagatcc aaatatacat ggtcagattg aatacaataa agatggcatc gtagcagtgg   300

agaaaagaag aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa   360

atgaagttga ataataaaaa tatattctac actagcacaa attataaata aagcagtgat   420

ttaaatgaga aaaattaaat cataatgatt tcaaagataa cataggataa tttctttata   480

gtcttctaaa atatatgact ttatgaattc tgact   515

<210>   62
<211>   611
<212>   DNA
<213>   Human

<400>   62
caagtacttt accaactaag ccaatcttgt ccccagccag gcatttctat acaaagggcc   60

aagactttgg ttttataaat ,aaggaggtat atataaatta tatatatttc tgagctgagt   120

aataatccac cagatacaag tttgcatcaa cttctgtgaa atattttttt tccttttgt   180

tgggcatttt tatggtctaa atatagaatg accaatgcct ctagaacaaa cttgacctgg   240

tcagtgttat caagaagcag actgtttctt actttctttg tatttcctta cttatttaaa   300

tttgttaaaa ttgatatatt gatatataaa acttcttttg ccagtgttgg tggcacacgc   360

ctttaatccc agcacttagg aggcagaggc agggtggatt tctgaatttg agggcaggct   420

agtctacaga gcaagttcca ggtcagccaa ggctatatat agaaactctg gcatgaaaaa   480

ccaaccaaac caaaccaaac caaaccagac cagaccagac cagaccagac caaaccaaac   540

caaaccagac taaaccaaac caaaccagac cagaccagac cagaccagac cagaccagac   600

cagaccaaac t   611

<210>   63
<211>   291

<212> DNA
<213> Human

<400> 63
ccgagagatt ggccactgct taaactcatg cagctcctac tgttcttcaa ttaatgcctt   60

taatgcgaat atacttcctc ttcttttttgc atggtcttgc ccagcctctg caatactgat   120

gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgccca   180

ggacatagga caacttcgtc gctcactagt tctaacatat taatgctggc gtaggtggag   240

aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g   291

<210> 64
<211> 309
<212> DNA
<213> Human

<400> 64
gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt   60

cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca   120

tatatttcaa atgtcttgct aacagtggtt actttgctct atccttagct atacgtctcg   180

aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat   240

cttaactgcc ctcttgatcc ttacgtgccg gagaaggtgg aggcagaaat tttgtcaaat   300

ctgattaga   309

<210> 65
<211> 278
<212> DNA
<213> Human

<400> 65
tagaatggaa tggagtcgaa tgtgatggaa tggacgcgaa tggaatggaa tggactcgaa   60

tggaataaag tggaatagac tcgaatggaa tggaatgcaa tggaatggac tcgaatggaa   120

agggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa   180

tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa   240

tgtaatggaa tagactcgaa tggaatggaa cgaaattt   278

<210> 66
<211> 142
<212> DNA
<213> Human

<400> 66
agttctcctt aggttaatta atggaatgca atcccaatga aaatgtcacc aaagttgttt   60

ttttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa   120

atagctagta aactcccccct gt   142

```
<210>   67
<211>   286
<212>   DNA
<213>   Human

<400>   67
atatctgcca tcctcatcgg ccaatcgtgt tattttgatg acgaatgctt cggagattgg      60

aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg     120

attattttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc     180

ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc     240

caaagctcca tttccttgaa agcagaagtg taatattact tcttag                    286


<210>   68
<211>   179
<212>   DNA
<213>   Human

<400>   68
atctactttt tattcttttg ataaatgttt atgaaatata aaatactgaa aattagaaag      60

tagaagtcat tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa     120

ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaat      179


<210>   69
<211>   390
<212>   DNA
<213>   Human


<220>
<221>   misc_feature
<222>   (356)..(356)
<223>   n is a, c, g, or t

<400>   69
cagataagac tattaagaca gataagagcc aaatcatgta gagcctcaga ggttttttgat     60

cttcagtcta agaacgtaaa tccatggaag aattttaagc aggggtgtgc cttgaccaca     120

ttttgaattc taaactgtct ctgggtgggt gtgggtgcca ccaagagcat gtgttcatgt     180

agggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatggtg     240

gtgacattgg agataagcag gtagacagat tctcagtgta ttaggagaga aaaatcaata     300

ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt gggttnggtt     360

ctcaatttct gcatgagaaa aaaggtggac                                     390


<210>   70
<211>   481
<212>   DNA
<213>   Human
```

```
<220>
<221>  misc_feature
<222>  (26)..(26)
<223>  n is a, c, g, or t

<400>  70
atgatgaaat gatgagatga aatgcntgag atgagatgtg atgaaatgat gatatgaaat        60

gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga       120

tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg       180

agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat       240

gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat       300

gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga       360

tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca       420

atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat       480

g                                                                       481


<210>  71
<211>  125
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (19)..(19)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (29)..(29)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (38)..(38)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (42)..(42)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (45)..(45)
<223>  n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (49)..(49)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (61)..(61)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (77)..(77)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (79)..(79)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (88)..(88)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (90)..(90)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (100)..(100)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (110)..(110)
<223>  n is a, c, g, or t

<400>  71
cggtngcaat tgggggccnc atacgcgcng acgagtantg gncangctnc ttgactacac    60

ngacgcgccg tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc    120

cacag                                                                125


<210>  72
<211>  473
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (151)..(151)
<223>  n is a, c, g, or t

<400>  72
gaaatgaaat aatgaaatga gatgaaataa cgaaataaaa ttgaaatgag atgagaggaa    60

atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg    120
```

```
aaatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga      180

cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa      240

tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa      300

ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga      360

catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga      420

tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga            473
```

```
<210>   73
<211>   500
<212>   DNA
<213>   Human


<220>
<221>   misc_feature
<222>   (7)..(7)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (16)..(16)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (233)..(233)
<223>   n is a, c, g, or t

<400>   73
```

```
aatgagnatg aaaagnatga aatgatgaga tgaaatgaaa tgatgagatg aaatgaggtg       60

aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaatgaa atgaaataat      120

gaaatgagat gaaataaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa      180

tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga      240

gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga      300

tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga      360

aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaat      420

aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg      480

atgagatgaa atgatgaaat                                                  500
```

```
<210>   74
<211>   299
<212>   DNA
<213>   Human


<220>
<221>   misc_feature
<222>   (31)..(32)
```

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (57)..(57)
<223>  n is a, c, g, or t

<400>  74
ggaaatcctg aagtggaaat gatgagctga nntgcaatga gttgaaatga gatgaancga      60

tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga     120

cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa     180

tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg     240

aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg      299


<210>  75
<211>  155
<212>  DNA
<213>  Human

<400>  75
agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa      60

taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga     120

tgagatgaca tgaaataatg aaacgaaatt gaaat                                155


<210>  76
<211>  367
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (11)..(11)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (35)..(35)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (37)..(38)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (43)..(43)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (56)..(56)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (67)..(67)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (71)..(71)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (75)..(75)
<223>  n is a, c, g, or t

<400>  76
atagcaaaag ngggtaaaac ccctgagttt gcganannag tantcttgta ggggcnaact      60

ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtgca gtgatatcac     120

cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt     180

tatcggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact     240

ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga     300

aaatatgagg ggtggcaagg ttttgcctgt tacattctca aatggaagca aattagatat     360

gtcattg                                                              367


<210>  77
<211>  257
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (6)..(6)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (11)..(11)
<223>  n is a, c, g, or t

<400>  77
actagnacag naattttagc taagtggagt ttgagttaag tggagatgtg agaccatctc      60

atagaaatca ttatttctgt gggatggata attgggccaa attgtaaaat attttaacta     120

tcagtgtttg gggtttattt ttaaaagaat agggtgccac cagatgttct ttagtggagg     180

agaaatgagg ccagagtgac tgcctagaaa attaagttgg taaattaatc acttttttct     240

aggtcctttc ttagtct                                                   257


<210>  78
<211>  373
<212>  DNA
<213>  Human
```

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (20)..(20)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (146)..(146)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (153)..(153)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (166)..(166)
<223>  n is a, c, g, or t

<400>  78
```

ctttaaaaac ntgttagacn aacnttaaaa nttacccntt ttcctgaact gantcctggg   60

nntaantaaa aagggtgaag aannttactt cncttggtcc taaaaaacnt tttcntcagt   120

tattaccaaa atatttggac cattantaaa gantagggcc aacccnaatt tttcttgaaa   180

tttccgttaa atagccgtta aatgttttta cccatttcat attggatacc ttaaattata   240

ataatggatt ttattgttaa attgtgtgtg tgtggtgtgt atgccctgtc ttttctcctc   300

taccattatt gtcactttat gtttggaacc ccctttaccc ttccttaaag gaaaaaaagg   360

gcccgggggtt ttt   373

```
<210>  79
<211>  128
<212>  DNA
<213>  Human

<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (20)..(20)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (29)..(30)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (35)..(35)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (49)..(49)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

<222> (92)..(92)
<223> n is a, c, g, or t

<400> 79
tcctagtaan ctggtttacn ctgaaagann aagangcctc ccctgttcnc tgaaatacca   60

ccttgatgtt caagtattta agaccctatg cnaatatttt ttacctttc taataaacca   120

tgtttgtt   128

<210> 80
<211> 213
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (166)..(167)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (171)..(171)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (180)..(180)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (196)..(196)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (206)..(206)
<223>  n is a, c, g, or t

<400>  80
cccattggna cagaccccca aaatgggtac atttttttagg aaaccaggac ctttccaagg      60

ggccaggcct tccctttaaa aaaaaatnac cgtttttngg gggangnaac ctttaaaagg     120

ggaaaanaaa tcctttttaa anggaantcc aagggaagga ncctgnncaa nacttccccn     180

ccaataaaaa aaaccntttt ggaaangggg aaa                                  213


<210>  81
<211>  443
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (22)..(22)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (33)..(34)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (39)..(39)
<223>  n is a, c, g, or t

<400>  81
gaaatgagat gaaaccatga gnatgaaatg aannaatgnc atgcaaatga tgagatgaaa      60

tgatgaaatg agatgagatg agaagaaatg acttgatgag atgagataaa atgatgaaat     120

gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg     180

aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat     240
```

```
gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa    300

tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa    360

tgaaatgttg aaatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa    420

atgaaatgaa atgagattaa atg                                           443
```

<210> 82
<211> 442
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 82
```
tggcccggga acntcnaact gcccatcctg ganttttggg gggggannctt taaaaaacct    60

gacctctgaa tgtattantg anncaagtga tagccaagat attttgaaga aaaatagata    120

ntagggacct gctctataag cccatcataa tttattatga agttataaca agtaaaacag    180

taaggtattt ggcatggaat agagaaccca gaaacagacc caatgcatgg gtacaggata    240

taacacaggg aaatgaggga caatatatgg ttctgggata attatttata tggggaaaat    300

aaagaaattg gatccctacc tcacacatac aaaaaaaatc ataattgaat taaaaacttg    360
```

catgtgaaag gaaagacttt aaaacattta gaaaaagtat tggaggctat gatcttgggg   420

taggaaagca tttctttttt tt   442

<210> 83
<211> 135
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 83
gtctaacnta aaaagtaaag aaagtaaagt aaaggnttga aggaaggaag gaaggaagga   60

aggagggaaa agaaagaaag gaaggaagga aggaaaagaa agaaagaaag gaaggaagga   120

aggaaggaag gaagg   135

<210> 84
<211> 346
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 84
ggaggaggaa gagtgatgag ttctctaatn acttggttgg attagcctta gagttatcgg   60

gagttgcctt ctgtaagtgc ccctactatc aaggtttcat ggaaaatcta ggcaaggcag   120

aacttcctca gaaggacaag agacaaagaa gtgggggagg ccctcctatc catagctgag   180

agggtttatt ctttgtggtt ctgctgtcag agcctttgga tgtctgatct gagatggagc   240

aaccccagct agacagaact ttgtagattt tggggggttt aaaaggcctc aagcaaattc   300

taaaactttc tttgaacccc ctggcatagg ctcagtttcc ctgact   346

<210> 85
<211> 100
<212> DNA
<213> Human

<400> 85
acaaaaagcc cctttaaact tgggcccgct cgaggtcgtt tcgactgggc cgagacttcc   60

gaaaagaaaa tggtttttttt tgccgaaatc aaccgggtaa   100

<210> 86
<211> 201
<212> DNA
<213> Human

<400> 86
ttcataacat cgtcattttg ggttatgcga aatacaaatt taaatctttg tgaaatgaaa   60

gaaaagagga agaaacgctt tttaggagtt aaggattaaa gtaaaaatta ttttgacata   120

attacctctt tttgtgacca ctcttaaagg ccaggaacat atttggagaa gcctagttgt   180

atgtaacagt gtggggtttc a   201

<210> 87
<211> 531
<212> DNA
<213> Human

<400> 87
tatagcgggc gttataaaca taccacttcc cggtacaacg gatttcaagg ttaggggtgc   60

aacccagaac gaacgcgtta agtgcgcgtt atcttcctag gatagagtcg gtgacgggaa   120

tcttttaccc cggcactcgg gtccaccctc gcggcaccag aggtattctc cggcgagtcg   180

ttaaccatcg caatcgccga ccgagtttaa ggaccactcc ccacctttct cattagttaa   240

ggagaacgct actttacccc atagacggag aaatcgctac tcaactacca ggcgcgcgcc   300

gtcgagtccc tcttcctctc tttatgcatt tagagcgctt tcgtaagagt tttccctaga   360

ttcttctaag cgtagcgcgt ctactccaat gttttcgtta atccagcccg aactaacgcc   420

gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaag   480

aaaacaaaaa gtaccagccc taaaggaaag tcaaaggacg cccgtaaaaa a   531

<210> 88
<211> 530
<212> DNA
<213> Human

<400> 88
aatctcgatc gcaaacatac ggcactctcc ctcttgccgc ggttttcgtc cagcgctttc   60

cattcggtcc agtgcctcgc cctattagcc cttaagccca ccgtttctaa aactcccaga   120

acagccaaac cggtccgccc aaggcctccg tcgttttata atatattccg tttacgtata   180

aggaacgaac ccccccttcat taccacggtc ccgcgtccgc ctccttctcc attcgcaaca   240

gttctattcc tttcagcctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa   300

gatagcaaag attacccagc ttctattcct cgccccagag ccgagtaaat cgaagtttat   360

agaggcggaa tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa   420

tataaactta atgtcccctt tattctcccg gacgcccctt ttaaccactt cttcctatct   480

ttcgctaaca agccattgac ggcgctttgc cgcgcgggcc catctcgcgt   530

<210>   89
<211>   332
<212>   DNA
<213>   Human

<220>
<221>   misc_feature
<222>   (37)..(37)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (47)..(47)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (108)..(108)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (112)..(112)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (129)..(129)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (134)..(134)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (152)..(152)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (168)..(168)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (196)..(196)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (239)..(239)
<223>   n is a, c, g, or t

<400>   89
ccatttatgg gccggggata tacccacatg gtacagnaca ttacatnttt atggcaccat   60

```
ttccaccggc ctggtttttgg tttttccata attaattaac caggggggncc anttaaaaaa    120

aattaaggna aggnttaaaa aatttaacca anggggggtt taaagggntt tttttttttta    180

aaaaaaaagg ttaaanccccc cccttttttt ttgggttggg gtgggaaaat tttgggaanc    240

cttaacccccc gggtttttgg gtttttttgg ccaaaacccc ccggaaaaaa attaaaaaaa    300

ggaccggttt ccattttaat gggtattggg aa                                  332
```

```
<210>  90
<211>  185
<212>  DNA
<213>  Human
```

```
<400>  90
actgctataa tgcaggggaa catgttctca gggtcatcct gaggggttgt gtcatggggc    60

cggtggtaac tattaaaaca taagtttaat cggtatttaa aattttaaaa tcaaaaaaaa    120

taaaatatat gcaaccctcc attccaagga agtatgatgt tactagatta tctgaaaatt    180

ctcct                                                               185
```

```
<210>  91
<211>  365
<212>  DNA
<213>  Human
```

```
<220>
<221>  misc_feature
<222>  (326)..(326)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (338)..(339)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (344)..(344)
<223>  n is a, c, g, or t
```

```
<400>  91
ccagagagcc acaaatgacc aaaatatttt gagatgaaca tgctcgtaga aggtagctga    60

ctaggggta cttgaaaatg ctagaccagg ataactccta agtgtatatc cttggcagac    120

tcgttatgct ttccaatcct gcttgcaata taagacacaa agtcagaata aagctcaaga    180

aaacagaacg tgcaggccat caagcgcaga gcctgctcat tggacaaccg caaagagtag    240

taagtgctgc cgctattcac acttagaaaa ggagaaccac ggggaaaaac caaattaatg    300

gggctgcttt ttgtcactct ggcatnagag aattgtgnng aaantttaac ttttgtaagc    360

ttgta                                                               365
```

```
<210>    92
<211>    113
<212>    DNA
<213>    Human


<220>
<221>    misc_feature
<222>    (32)..(32)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (34)..(34)
<223>    n is a, c, g, or t

<400>    92
acttgacctt atggatgatg ctgcggagtg cntngtaagt gtttcatgat attccttaag      60

aagtcaggat agtagttttc attccttaga tggtacaagt gttgagacaa atg            113


<210>    93
<211>    210
<212>    DNA
<213>    Human

<400>    93
gttttaggga aatttgccag ttttatgttt taatattttt ggaaggaaaa ctgaaaggta      60

atgaaaatgt tactgttgga ttaaaaaaca aattaagtcc aaatagtgat taggcaagtt     120

ggtgaggtag ggggttgctg caagagcgga agttgaaaga tcttggaaaa attaaagaaa     180

cttcatagaa ccccatctct acaccaaaaa                                     210


<210>    94
<211>    506
<212>    DNA
<213>    Human


<220>
<221>    misc_feature
<222>    (5)..(5)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (25)..(25)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (38)..(39)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (44)..(44)
<223>    n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (287)..(287)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (291)..(292)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (302)..(302)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (305)..(306)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (311)..(311)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (321)..(321)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (327)..(329)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (333)..(333)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (348)..(349)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (352)..(352)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (357)..(357)
<223>  n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (363)..(363)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (366)..(367)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (369)..(369)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (371)..(371)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (376)..(377)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (385)..(385)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (390)..(390)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (398)..(398)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (401)..(401)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (405)..(405)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (420)..(420)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (429)..(429)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (437)..(437)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (487)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(497)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 94
ttggnggggg ggcgagatcc tactngagac ccttgatnnt gggnanggac cgaagatcna   60

```
ttaganaccn atgngatggn cnnncnaaan nnttaaagtg agagtccatc tnngaanaaa      120

atgggnaant ttnnnngggg gggggaaaa ancccnnggg tnanngggg cccngggntt        180

naaannnggn nctnggggg ggaaantttt ggcccccccc cggggntttt ncctnaaaaa      240

aaanccnttt naaanacngn nanaattttn ccnnnncggg gaggngngga nnttttttttt     300

tnaannagcc nttttgnna naaaaannnt ggnccccccc ctattccnng gntttttngga     360

ccnttnnanc ntgggnnttt ttagnccttn aaaaaaangc naatnttaag gtaaaaattn     420

gggggggggng gggggngggn gnnttttttt ttntnnggag gggttttttt ccnncgnggg    480

ngaaagnntg gggcnnnctn cngccn                                          506
```

```
<210>  95
<211>  400
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (11)..(11)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (24)..(24)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (40)..(40)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (48)..(48)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (51)..(51)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (71)..(71)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (80)..(80)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (83)..(83)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (135)..(135)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (148)..(148)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (153)..(153)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (170)..(170)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (173)..(173)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (175)..(175)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (177)..(177)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (192)..(192)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (195)..(196)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (198)..(198)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (200)..(201)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (211)..(212)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (219)..(219)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (222)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (324)..(324)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (326)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (341)..(341)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (348)..(348)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (350)..(350)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (354)..(355)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (367)..(367)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (383)..(384)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (391)..(391)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (398)..(398)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (400)..(400)
<223>  n is a, c, g, or t

<400>  95
catgaaggaa naagcctgta ctanctgccg gtatccatgn taatctgngg ngatgtcagc      60

agacccagct nagcagatan ctncatttct ntctnaagnc ctttggtctg naggnngnca     120

ntnnanctnc ngntnaacat cacagctnct ccnagcatca ccctgctagn tancngnggg     180
```

```
ttttctctta tntgnngncn naacatctgc nngctctgnt annaanaatt ncataccgcn    240

canngtctnt gacgntgtga tgcatacgnt tgggcagagn gancaatang tgngcatatg    300

cgtgccttac ncaaggatac ggangngctt gaaattgatg ngaccaanan tttnngtacg    360

gtaagtnacc caaccacttc tgnnttcact ntaagagncn                          400
```

```
<210>  96
<211>  800
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (171)..(171)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (622)..(622)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (628)..(628)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (642)..(642)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (661)..(661)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (668)..(668)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (694)..(694)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (709)..(710)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (735)..(735)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (751)..(752)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (763)..(763)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (778)..(778)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (782)..(782)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (786)..(786)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (788)..(788)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (798)..(798)
<223>  n is a, c, g, or t

<400>  96
gagatgaatg atgaaatgat gagatgagat gatgaaatga aatggtgaga tgaactgatg      60

aaatgaaatg aaataatgaa atgaaattga aataaaattg aaatgagatg agatgaaatg     120

atgagatgat gaaataaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa     180

tgatgagatg agatgacatg aaataaatga aataatgaaa tcgaaatgag atgagaagat     240

acgagatgag atgaaatgat gagatgaaat gatgaaatga gataagatga aaagagttga     300

tgagatgatg agatgaaatg agatgaaaag agatgaaatg agatgaaatg aaatgatgag     360

atgaaatgag gtgaaatgaa attagatgaa acgtaatgag atgaaatgac ataatgaaat     420

gaaaaaatga aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg     480

atgaaatgaa ataatgaaat ggaaatgaaa tggaaatgat gagatgaatg atgagatgaa     540

atgatgagat gagatgtatt gatgagagga aatgatgaga tgtaatgaaa tgagatgaaa     600

tgaatgagat gaaatggaat antggaangg aaattgattg gngatttgag atgaaatgag     660

ntaaatgnga tgaattaatg atgagatgaa atgntgaatg ccggggtgnn tgagatgaat     720

tgagttgaac cctgngatga atgaagattg nntgaatggt ggntgaatgt tgaatggntg     780

gntggnanaa tgcctgtngg                                                 800
```

<210> 97
<211> 334
<212> DNA
<213> Human

<400> 97
gatgaattga aatgaaatga aataatgaaa taatgaaatg agatgaaatg aaaagaaatg   60

atgaaatgat attgaaatga aattgaaaga tgagatgatg agatgaaatg gtgaaatgtt   120

gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaaa   180

tgaaatgaaa tgagattaaa tgatgagatg aaaactgatg aaaacttaaa tgatgaaata   240

atgaaatgaa aatgaaatgg aaatgatgag atgagaagaa atgatgagat gagatgagat   300

aaaatgagat gaaatgatga gatgaaatga tgag   334

<210> 98
<211> 100
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (17)..(17)
<223> n is a, c, g, or t

<400> 98
ttcaggccgt ctgcttntac atatactatc gagaatggtg ctgtgcactc ataacaccgt   60

tgcttggtag acgcttttga acccttcagc gctgaaagta   100

<210> 99
<211> 500
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 99
cccgggantt cggcccttat ggcccgggga aatgatgaga tgaaatgatg aaatgagata   60

agatgaaaag agttgatgag atgatgagat gaaatgagat gaaaagagat gaaatgagat   120

gaaatgaaat gatgagatga aatgaggtga aatgaaatta gatgaaacgt aatgagatga   180

aatgacctaa tgaaatgaaa aaatgaaatg aaataatgaa atgaggtgaa attaaatgag   240

atgatgaaat taaatgatga aatgaaataa tgaaatggaa atgaaatgga aatgatgaga   300

```
tgaatgatga gatgaaatga tgagatgaga tctaatgatg agaggagatg atgagatgaa    360

ntgagatgaa aagagatgaa atgagatgaa accgaaatga tgagatgaaa tgaggtgaaa    420

tgaaattaga tgaaacgtaa tgagatgaaa tgacataatg aaatgaaaaa atgaaatgaa    480

ataatgaaat gaggtgaaat                                                500
```

```
<210>  100
<211>  397
<212>  DNA
<213>  Human


<220>
<221>  misc_feature
<222>  (8)..(8)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (39)..(39)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (50)..(50)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (56)..(56)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (71)..(72)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (97)..(97)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (110)..(110)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (177)..(177)
<223>  n is a, c, g, or t

<400>  100
cccgggangt ttaagttagg gggcctgccc ctttaagcnt agtcccaccn tgaaanacac     60

tcccccttgaa nntctctaaa ccttaacttt ctggccnttt tgtttcagan atgcctaacc    120

ctcagggggt cttttgttct ctacgcctaa aaacttaatc tgtttggaac aattccnttt     180

cctctctgta gaaattgacc tggccatggc tcctgtgaat gatacggttg ctattatccc     240
```

tgaacactgt aaaaatgaac tttgaaacag ttgggtagga cccaaacaga aaatgatgta   300

tggcttggaa atagtttagc tgaacattat gctttaatat tttactggcc attgcagcac   360

aggtttagaa atttatgttc ggctttttaa agtttta   397

<210>   101
<211>   132
<212>   DNA
<213>   Human

<220>
<221>   misc_feature
<222>   (121)..(121)
<223>   n is a, c, g, or t

<400>   101
gttacctaat gttttactct cattttcttt ttctttattt ttcatttgta aaataggaac   60

attaattgta ctactttcaa aagaattaat tgaagaaaga gagatacagg gtatctaggc   120

ngaggaagac cc   132

<210>   102
<211>   246
<212>   DNA
<213>   Human

<400>   102
gggggcttta gttataactg ggctaagcat aattgcgcta ccaattccat attatctcat   60

ggcacttaat tttataattg atatatataa taaaaaattc aatgcagata ttgatataat   120

aaaaatagat aatggtaatc caagcacgat ggtagccatc actctaattg ctttgggggtt   180

aacctataac ttattaagta aagtgccaga atggttcttt gacagtatta aaattaaaga   240

aaacag   246

<210>   103
<211>   18
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   forward primer of exon 1 of insulin gene used for quantitative
         RT-PCR analysis

<220>
<221>   primer_bind
<222>   (1)..(18)

<400>   103
gccctctggg gacctgac   18

<210>   104

<211>   18
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   reverse primer of exons 1 and 2 of insulin gene used for
         quantitative RT-PCR analysis

<220>
<221>   primer_bind
<222>   (1)..(18)

<400>   104
cccacctgca ggtcctct   18

<210>   105
<211>   24
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   forward primer of ßMyHC gene used for quantitative RT-PCR
         analysis

<220>
<221>   primer_bind
<222>   (1)..(24)

<400>   105
gctggaacgt agagactccc tgct   24

<210>   106
<211>   24
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   reverse primer of ßMyHC gene used for quantitative RT-PCR
         analysis

<220>
<221>   primer_bind
<222>   (1)..(24)

<400>   106
ggatccttcc agatcatcca cttg   24

<210>   107
<211>   20
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   forward primer of ANF used for quantitative RT-PCR analysis

<220>

```
<221>  primer_bind
<222>  (1)..(20)

<400>  107
ggatttcaag aatttgctgg                                        20


<210>  108
<211>  20
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  reverse primer of ANF used for quantitative RT-PCR analysis


<220>
<221>  primer_bind
<222>  (1)..(20)

<400>  108
gcagatcgat cagaggagtc                                        20


<210>  109
<211>  20
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  forward primer of APP used for quantitative RT-PCR analysis


<220>
<221>  primer_bind
<222>  (1)..(20)

<400>  109
ggatgcttca tgtgaacgtg                                        20


<210>  110
<211>  19
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  reverse primer of APP used for quantitative RT-PCR analysis


<220>
<221>  primer_bind
<222>  (1)..(19)

<400>  110
tcattcacac cagcacatg                                         19


<210>  111
<211>  21
<212>  DNA
<213>  Artificial Sequence
```

<220>
<223> forward primer of ZFP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(21)

<400> 111
cacargagrc arggtcaacg a   21

<210> 112
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> reverse primer of ZFP used for quantitative RT-PCR analysis

<220>
<221> primer_bind
<222> (1)..(22)

<400> 112
ggattaaaat gaagcaccca ga   22